

SUSTAINABILITY

September 2020

Fredericia

1 9 1 1

”IT IS OF GREAT
IMPORTANCE THAT
THE THINGS WE
PURCHASE AND LIVE
WITH DO NOT NEED
TO BE CHANGED BUT
INSTEAD GROW
OLD WITH DIGNITY
AND CHARM.”

— Andreas Graversen, CEO of Fredericia 1955-1995

Fredericia Furniture was established in 1911.



CRAFTED TO LAST

Encouraging customers to buy fewer but better products has been at the core of Fredericia's company ethics, ever since we began in 1911.

Our pioneering work with Børge Mogensen is based on combining timeless, modern aesthetics with durable construction and good materials. With the ultimate goal of creating furniture that become more beautiful with age, intended to be passed down from one generation to the next.

These core values are rooted in our sense of responsibility, seen in our use of natural materials, our ethical methods of production and our respect for the people using our furniture every day.

At Fredericia, we take our legacy and responsibility seriously when developing and producing furniture, utilising a modern chain of production geared towards today's global market.

Mogensen designs the 2213 Sofa in 1962, originally intended for his own house.





RESPECT FOR NATURE'S MATERIALS

Respect for nature and its materials is at the heart of our company.

"It can take 150 years to grow a big and beautiful oak tree, so you really have an obligation to make the best out of it. To craft the furniture to last."

— Thomas Graversen, Owner of Fredericia



WOOD

All wood from Fredericia comes from responsibly managed forests, where replanting is required.

The FSC® Forest Management Certification confirms that a forest is being managed in an environmentally responsible manner that preserves biodiversity and benefits the lives of local people and workers. The FSC® standard is gradually being applied to all our products throughout 2021.

The European Union Timber Regulation (EUTR) is a trade mechanism imposed by the EU Parliament and Council to reduce illegal logging by ensuring that no illegal timber or timber products can be harvested or sold in the EU. The ultimate goal is to contribute to the sustainable management of forests and reduced emissions from deforestation and forest degradation beyond EU borders.

OAK

—

German, French, Slavonian

BEECH

—

European

ASH

—

European

WALNUT

—

American



FSC® LICENSE NUMBER

FSC® 151292



Respect for nature's materials

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FREDERICIA LEATHER

All leather from Fredericia is sourced from EU countries, from trusted partners who comply with the rules and regulations set forth by EU legislation to ensure high standards of animal welfare.



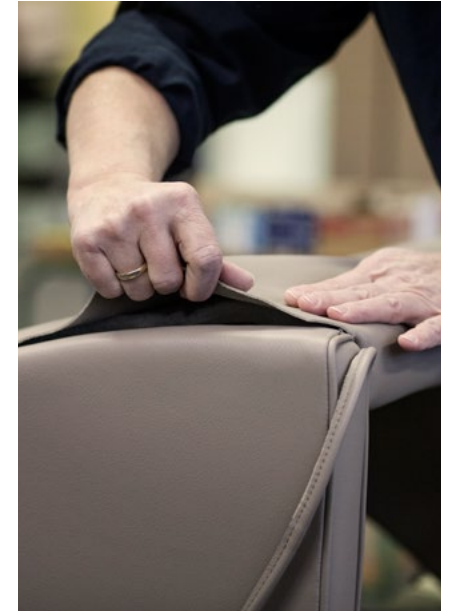
BLAUER ENGEL THE GERMAN ECOLABEL

Respect for nature's materials



RAW MATERIAL FROM GERMAN CATTLE

—
Leather Robust, Nubuck Velvet



RAW MATERIAL FROM SCANDINAVIAN CATTLE

—
Vegetable-tanned Saddle Leather,
Semi-Aniline Omni, Leather Premium,
Aniline Nature, Vegetal Nature

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Respect for nature's materials



Leather production steps and tools in Sweden.



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WASTE MANAGEMENT

The Fredericia plant is managed with an internal environmental management system, which is in compliance with ISO standards. Waste is sorted according to our recycling system into combustible, cardboard, iron and metal, plastic and landfill. Waste timber is chopped into chips and used to heat the plant.

We ensure the utmost use of our leather and textiles to minimise any waste.



The Leather Box designed in collaboration with August Sandgren crafted from selected batches of excess leather.

Respect for nature's materials

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UPCYCLING

Surplus leather that cannot be used in manufacturing is upcycled via a third party and used for other leather products. Textile offcuts are sent to kindergardens and technical colleges.



A HEALTHY PRODUCT

A piece of furniture is for your comfort.
It should be safe to use every day, and it should not emit
any toxic or potentially harmful substances to
the indoor environment.

STANDARD TEXTILES



Label	ECO-TEX
Criteria	No presence of harmful substances No indoor climate effect
Standard Textiles	Aguila, Carlotto, Savoy, Comfort+, Grand Mohair



Label	BLAUER ENGEL ECOLABEL
Criteria	No presence of harmful substances Sustainable production No indoor climate effect Durability
Fredericia Leathers	Leather Robust, Semi-Aniline Omni, Leather Premium, Aniline Nature, Vegetal Nature, Nubuck Velvet



Label	GREENGUARD
Criteria	No presence of harmful substances No indoor climate effect
Standard Textiles	Sunniva, Merit, Harald, Vidar, Byram, Fuse



Label	ORGANIC CONTENT CERTIFICATION
Criteria	No presence of harmful substances Sustainable production No indoor climate effect
Fredericia Leathers	Vegetable-tanned Saddle leather



Label	EU ECOLABEL
Criteria	No presence of harmful substances Sustainable production No indoor climate effect Durability
Standard Textiles	Remix, Re-Wool, Fame, Capture, Mood, Canvas, Fiord, Hallingdal, Steelcut Trio, Tonus, Divina Melange, Noise, Pilot



THE FUTURE OF HARD FOAM

Fredericia's hard foam shells are made by one of Europe's leading hard foam manufacturers, a Danish company, who works actively to create a recyclable hard form and limit the environmental impact.

Fredericia's hard foam is low emission foam that contains no chemical flame retardants. The foam is the so called MDI-based foam which is the most environmentally friendly type of hard foam available. The foam is clean - you can breath the air in the room where while the foam is formed and hardened.

Type of foam	HARD FOAM	Type of foam	CMHR-FOAM
Criteria	<ul style="list-style-type: none"> No presence of harmful substances Sustainable production No indoor climate effect Durability – estimated +60 years lifetime of shell Zero flame retardants MDI based 	Criteria	<ul style="list-style-type: none"> Contains chemicals added to meet British fire standards, due to British Law Can be used in Europe where fire regulations are extraordinarily stringent
Products	Swoon, Haiku, Sequioa, Ditzel Lounge	Products	All other upholstered products
		Type of foam	HR-FOAM
		Criteria	<ul style="list-style-type: none"> No presence of harmful substances No negative indoor climate effect
		Products	All other upholstered products





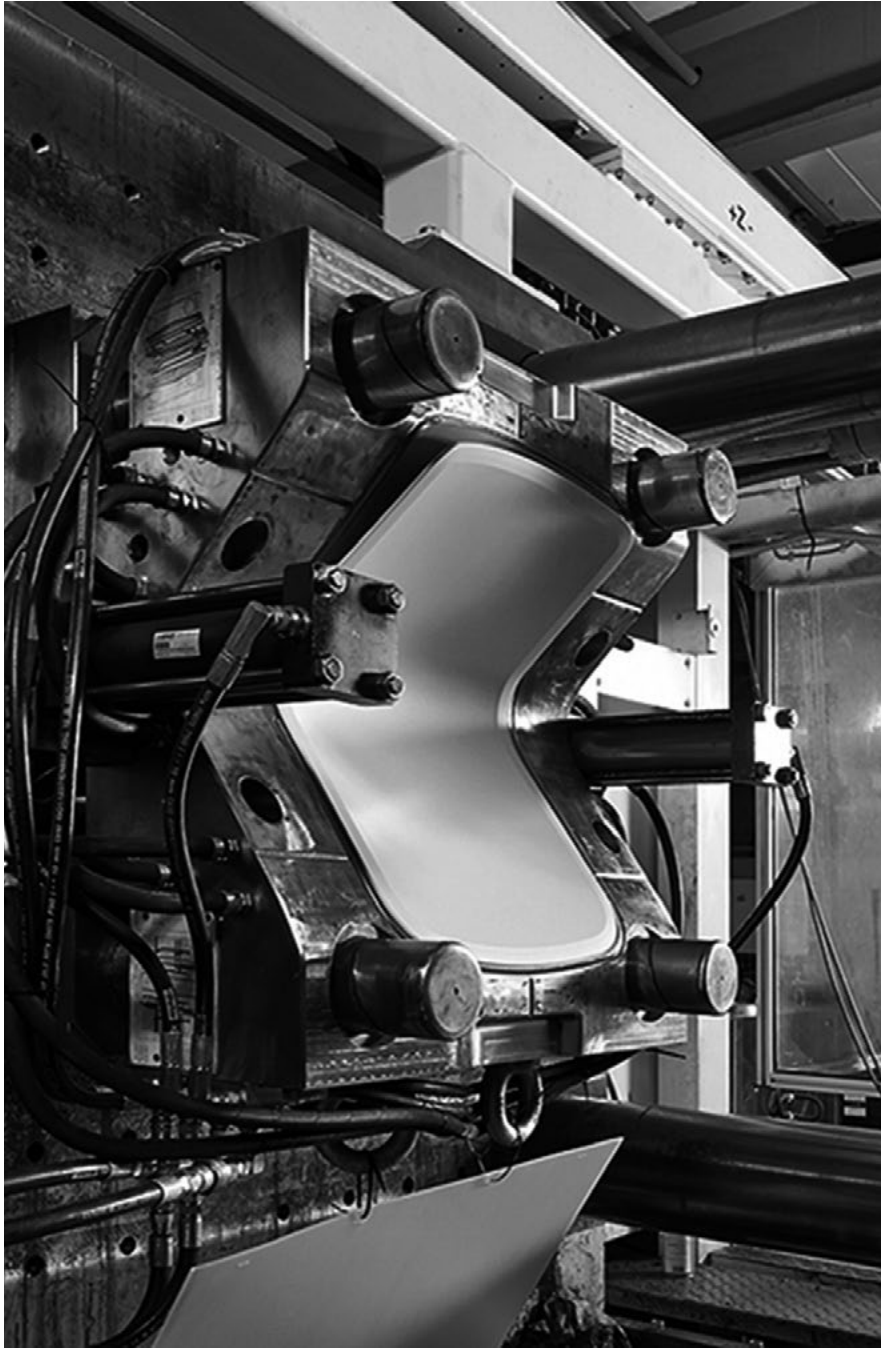
VARNISHES & ADHESIVES

Varnishes and adhesives are auxiliary substances used in our furniture manufacturing, such as furniture lacquer, glues and foams.

We meet the E1 formaldehyde standard for varnishes and adhesives, which means the amount of emissions are less than 0,015 mg/m³. During the application and hardening processes, this evaporation takes place in a closed plant situated within the production site.

We are making active efforts to remove environmentally harmful varnishes and glues from our furniture and manufacturing. Part of our efforts involves requesting better alternatives from our suppliers.

Fredericia is in process of changing all lacquers to water-based lacquers.



POLYPROPYLENE
100% RECYCLED – 100% RECYCLABLE



The Pato series was introduced in 2013 and has since grown to become one of Fredericia's most comprehensive furniture collections. By integrating recycled polypropylene plastic (PP) into our existing portfolio of products, we are taking further steps to help protect the environment. While at the same time, ensuring the continuity of design.

Pato has always been made from recyclable PP, which is pure and free from any additives. By adding upcycled plastic waste while keeping the design recyclable in the future, we follow our CSR strategy to minimise our environmental footprint and contribute to the circular economy.



100% RECYCLED

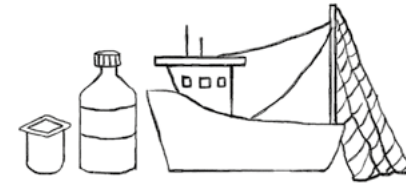
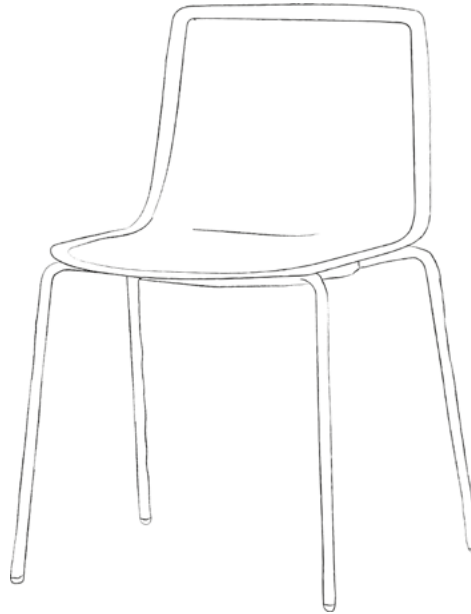
MINIMIZE WASTE

We minimize waste from the commercial and the industrial sectors by using upcycled plastic from two sources.



POST-INDUSTRIAL RECYCLED PP

This is plastic waste from the production of other polypropylene products which has been collected and reprocessed for reuse, which makes a zero-waste production line.



POST-CONSUMER RECYCLED PP

This is used plastic from commercial products, which has been sorted and reclaimed. Typically from household waste such as yogurt containers and medicine bottles or from other sources such as discarded fishing nets.



READY FOR THE FUTURE

The final material for Pato is a mix of the softer post-consumer PP and the more rigid and durable post-industrial PP. Making each chair both recyclable and durable in use.

100% RECYCLABLE



Black
30% Post-consumer PP
70% Post-industrial PP



Dark Grey
30% Post-consumer PP
70% Post-industrial PP



Quartz Grey
100% Post-industrial PP

A healthy product

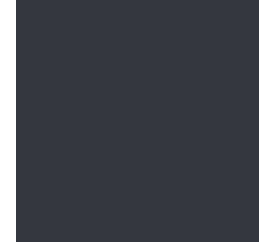


Storm
100% Post-industrial PP

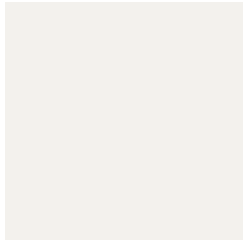
A healthy product



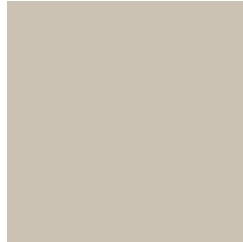
Ancient Green
30% Post-consumer PP
70% Post-industrial PP



Dark Blue
100% Post-industrial PP



White
100% Post-industrial PP



Sand
100% Post-industrial PP



Stone
100% Post-industrial PP



Ocean
100% Post-industrial PP



Powder Nude
100% Post-industrial PP



Dark Red
100% Post-industrial PP

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SUBCONTRACTING

Fredericia has a comprehensive Code of Conduct that we regard as a minimum for our subcontractors to comply with. Among the most important:

- Must have ISO 14001, EMAS or another documented environmental management system.
 - Raw materials must be traceable.
- Must work pro-actively on minimising/phasing out environmentally harmful factors in materials and manufacture.



A healthy product

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TESTED QUALITY

All new Fredericia products are tested at either the Danish Technological Institute or the German TÜV Institute.



**TEKNOLOGISK
INSTITUT**

THE DANISH
TECHNOLOGICAL INSTITUTE
—
A leading research and technology
company



TÜV SÜD
—
TÜV SÜD provides vehicular inspection
and product certification services.
(Pato).

KEY POINTS

Our wood is responsibly sourced – with FSC certification gradually applied to our entire collection.



Most of our upholstery options are eco-labelled – both our fabrics (EU Flower / EcoTex / Greenguard) and our leather (Blue Angel).



We produce and source all parts and raw materials in Europe (except American walnut and Jatoba wood).



KEY POINTS

Our polypropylene is 100% recyclable due to the purity of the material. We are soon launching the Pato shell with recycled PP.



Most of our products are tested for hard public use - and some through generations of use in everyday life.



We use the most environmentally-friendly options in the industry when it comes to hard foam (MDI-foam) and chrome plating (Chrome III).



For any environmental demands or requests, please ask our Fredericia HQ. We are continuously introducing new environmental measures and might be able to fulfil more demands than you think.



Goal 12 encourages the sustainable use of natural materials, responsible consumption and production.



Goal 13 aims to integrate strategies and planning to help mitigate the impact of climate change.



Goal 15 involves protecting and promoting sustainably managed forests, the prevention of deforestation and the preservation of biodiversity.

UNITED NATIONS' GLOBAL GOALS FOR SUSTAINABLE DEVELOPMENT

Fredericia supports the United Nations' Global Goals for Sustainable Development, which address some of the biggest challenges we are facing in the world today.

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FREDERICA.COM